Introduction to S.E.E.



CONDITION: Given a briefing on the proper operating techniques of the Small Emplacement Excavator

STANDARDS: Students must demonstrate knowledge of the Small Emplacement Excavator (SEE)techniques by answering questions on:

- (a) The safety requirements of the SEE tractor
- (b) PMCS
- (c) Location and purpose of controls
- (d) Operation of the SEE tractor

Safety Requirements: Hard hats and hearing protection will be worn.

Risk Assessment Level: Low

Environmental Considerations: No major considerations

Nomenclature









Other Attachments

- Runway Sweeper
- Snow Remover (Snow Blower)
- Forks
- Tamper
- Auger





Review

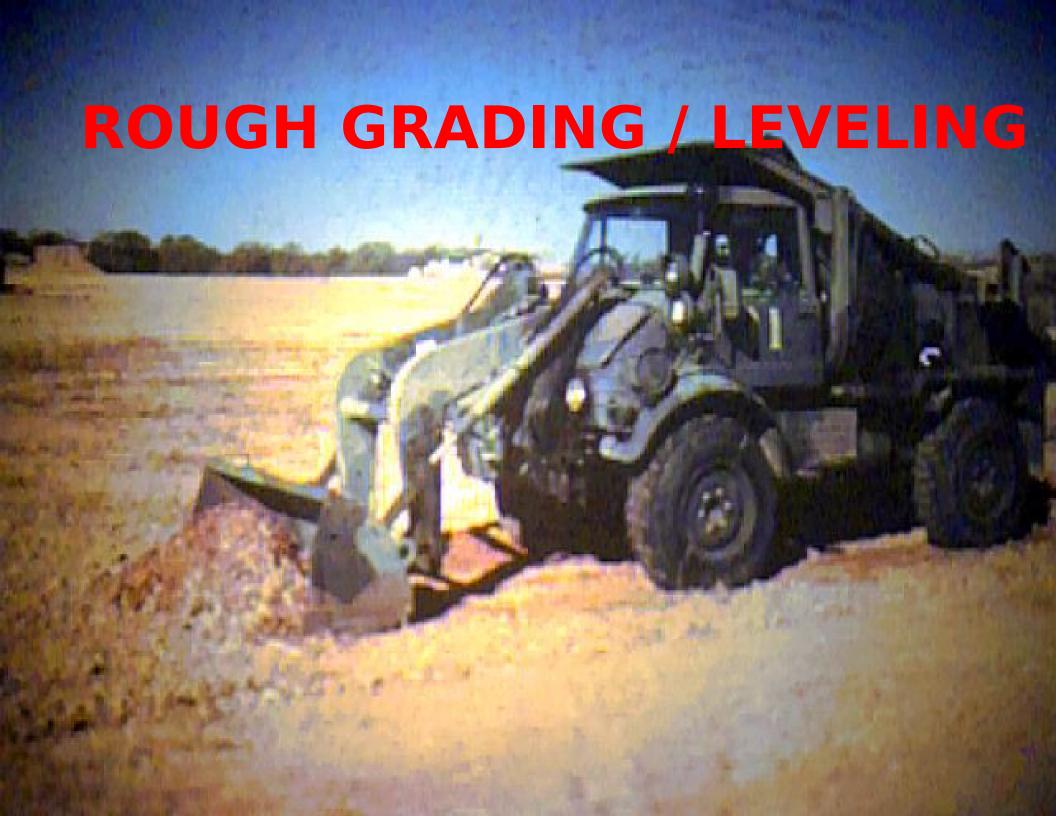
- Nomenclature
- Purpose
- Attachments
- Capabilities
- Limitations





4 Main Capabilities of the Front Bucket

- LOADING
- LIFTING
- BACKFILLING

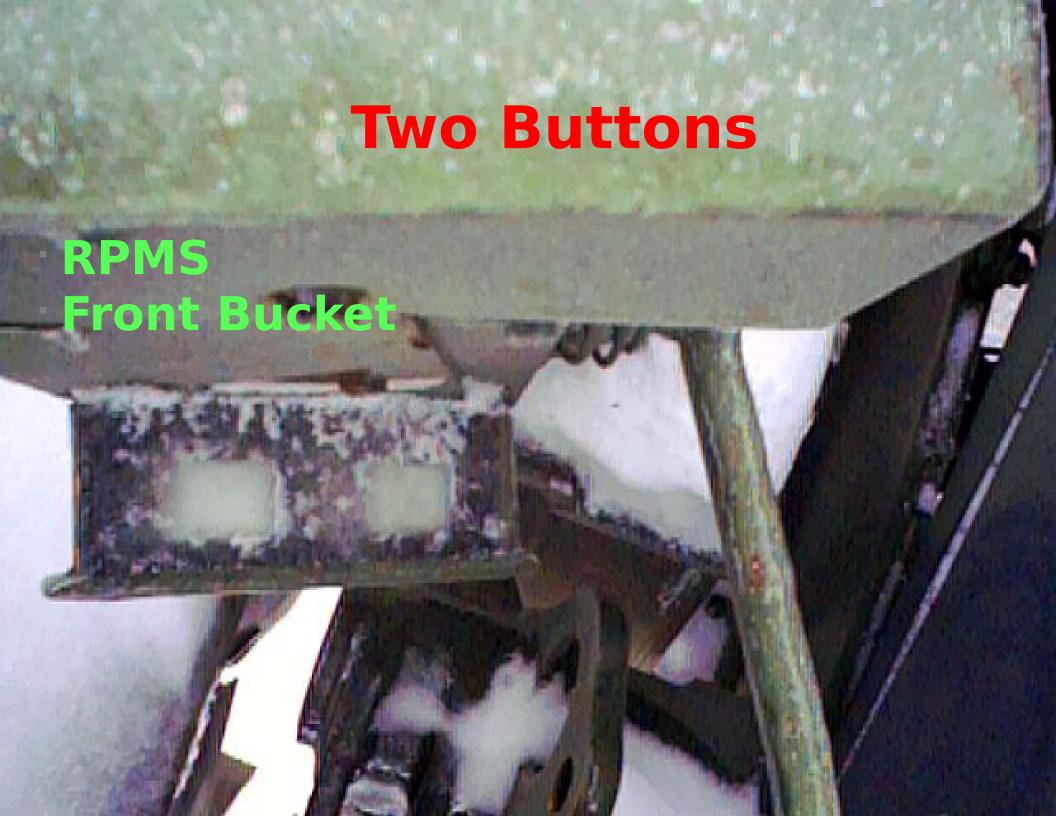


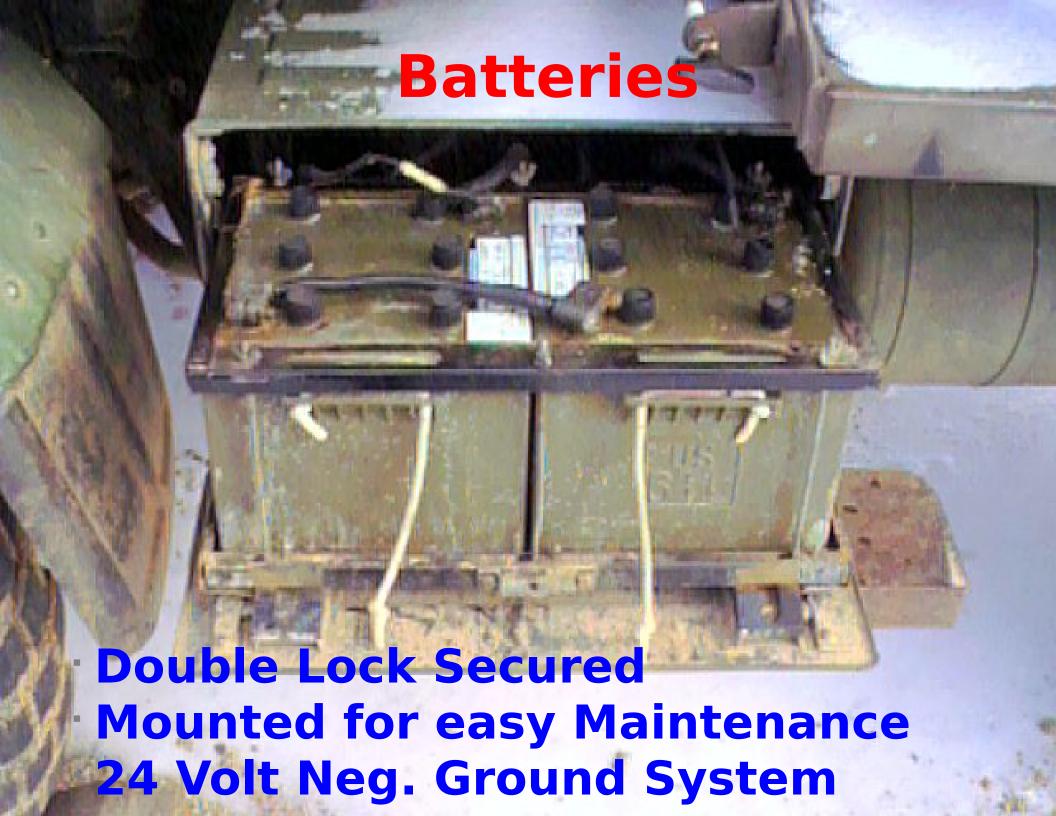


















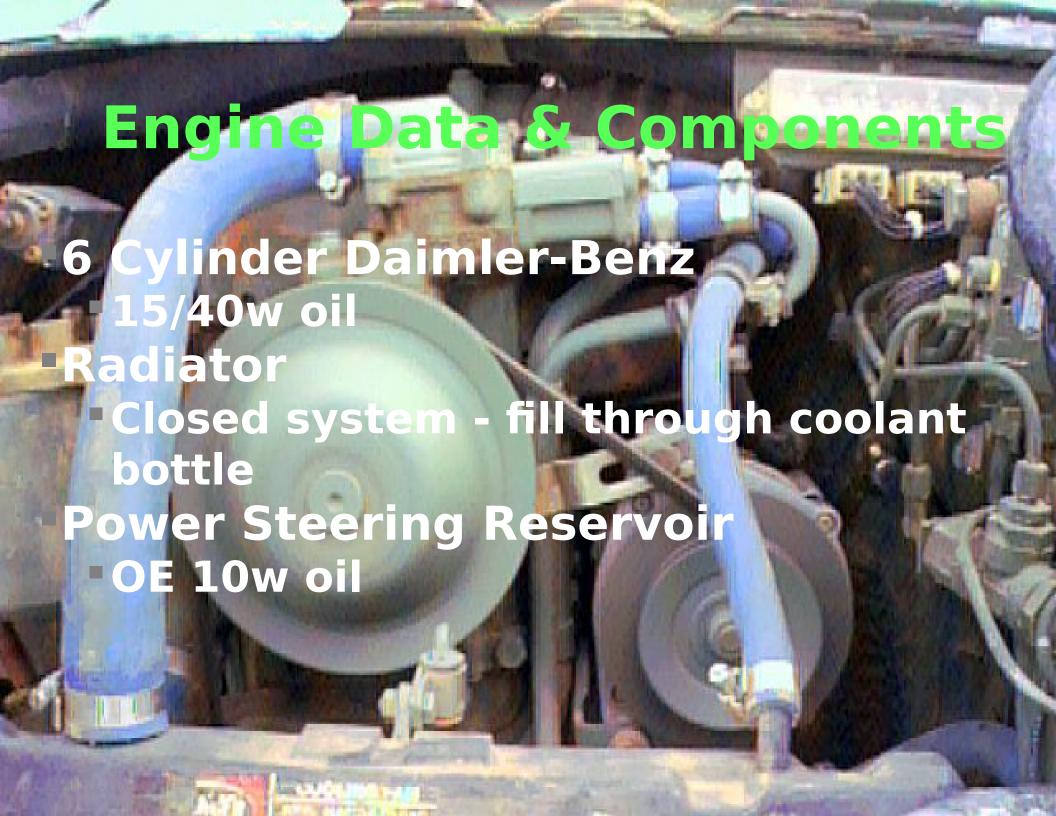




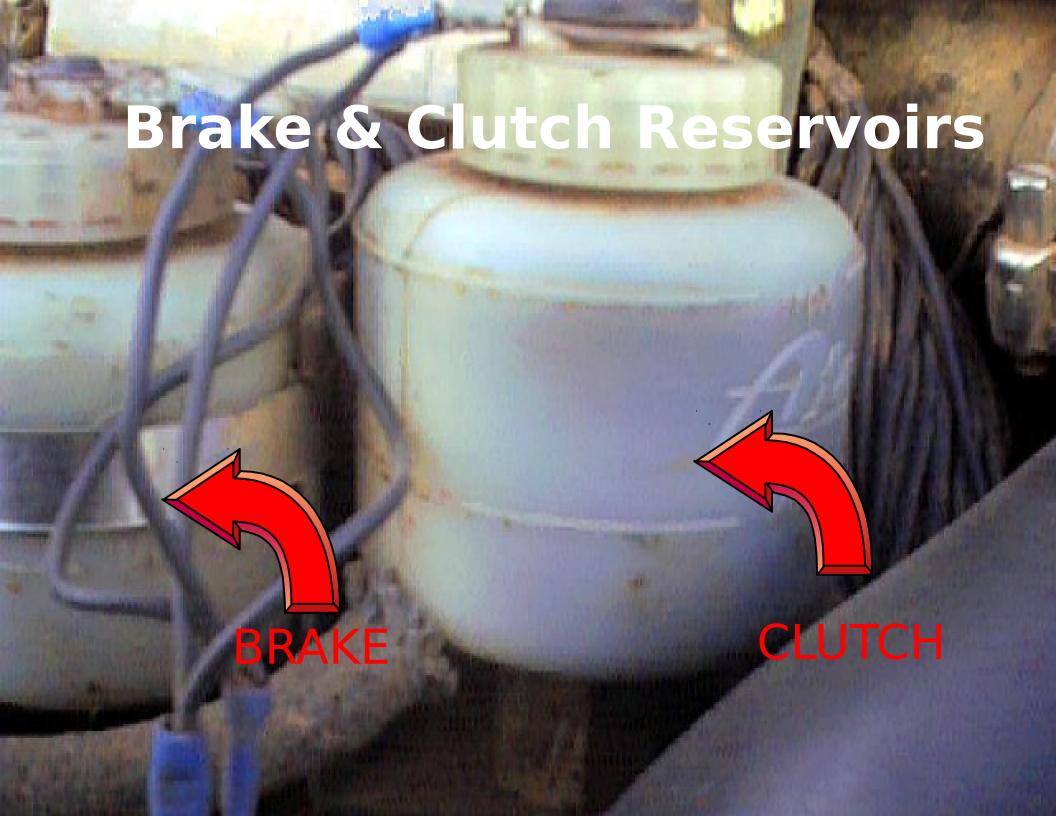


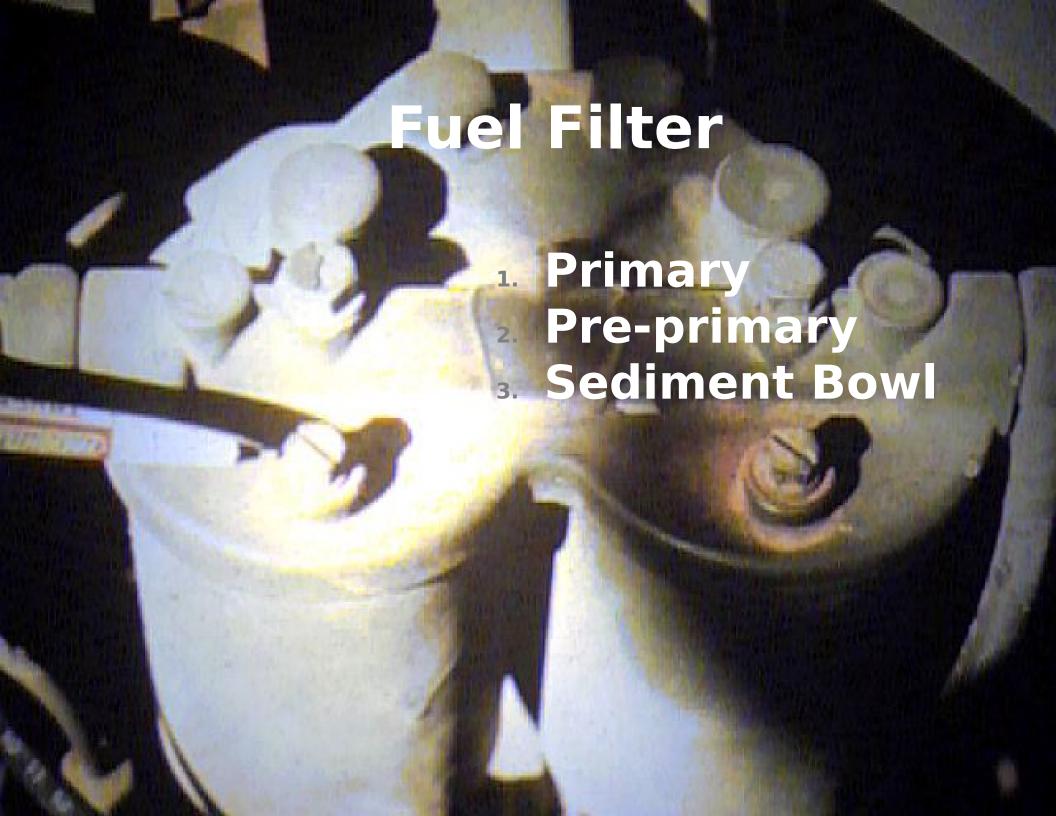




















Review

- 1. Front Bucket
- 2. Fuel Tank
- 3. Hydraulic System & Tools
- 4. Backhoe Attachments
- 5. Towing Assembly
- 6. Engine Data and Components
- 7. Protective Structures
- 8. Tires











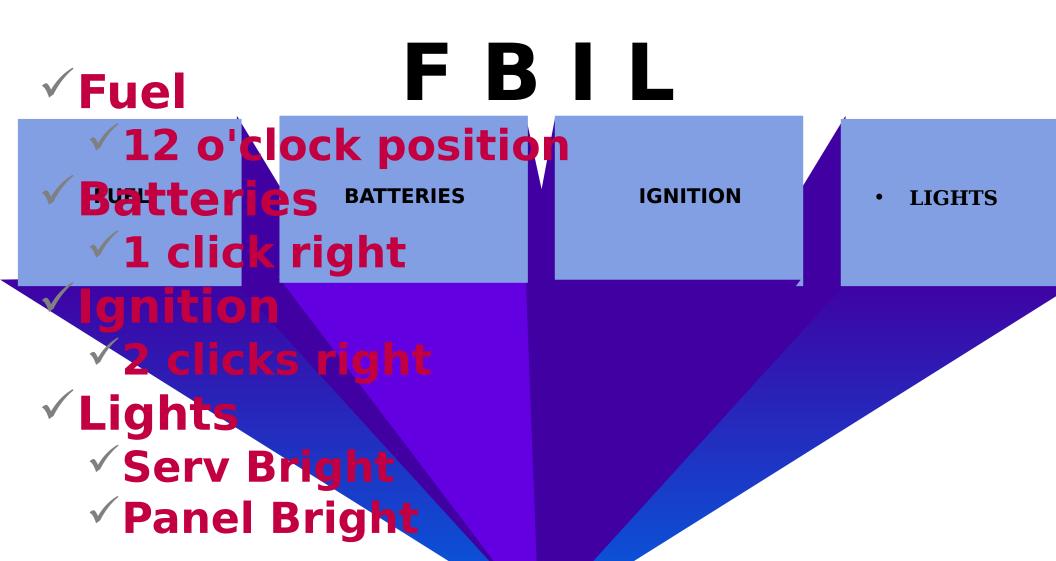








STARTING PROCEDURES



Review

- 1. Controls and Instruments
- 2. Dash (Gauges & Controls)
- 3. Pedals
- 4. Backhoe Controls
- 5. Starting & Stopping Procedures

Safety

- **✓ Exhaust**
 - √ Short Stack
 - **✓ Long Stack**
- **✓** Hearing Protection
- **✓ No Smoking or Flames**
- **✓ Seat Belts**



Tool Safety

- Bystanders at Safe Distance?
- 2. Safety Goggles
- 3. Steel toes

Tool Safety

- Loose Clothing
- 2. Both hands on tool

Operating Hints

- **✓ Hillside Operations**
 - ✓ Place spoils on high side
 - ✓ Use stabilizers to level backhoe
- ✓ Never dig under stabilizers

Before You Dig

√Gas Lines?

Before You Dig

- **Electric Lines?**
- Water (Sewage) Lines?

Hand Signals

- **√** Tractor
 - Start, Stop Engine / Halt / Move Forward, Back
- **✓ Front Bucket**
 - ✓ Raise / Lower / Curl / Dump / Level
- ✓ Backhoe
 - Raise, Lower Stabilizers / Raise, Lower Boom
 - **✓ Curl, Dump Bucket / Swing Left, Right**

Summary